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(54) Title: LAND GRID ARRAY FABRICATION USING ELASTOMER CORE AND CONDUCTING METAL SHELL OR MESH

(57) Abstract: Methods for fabricating Land Grid Array (LGA) interposer contacts that are both conducting and elastic. Also provided are LGA interposer contacts as produced by the inventive methods. Provided is LGA type which utilizes a pure unfilled elastomer button core that is covered with an electrically-conductive material that is continuous from the top surface to the bottom surface of the button structure. In order to obviate the disadvantages and drawbacks which are presently encountered in the technology pertaining to the fabrication and structure of land grid arrays using electrically-conductive interposer contacts, there is provided both methods and structure for molding elastomer buttons into premetallized LGA carrier sheets, and wherein the non-conductive elastomer buttons are surface-metallized in order to convert them into conductive electrical contacts.